

STAGE - 3

- 1) BEGIN SPAN BY SPAN LAUNCHING OF GIRDERS BY STAGGERING LAUNCH CYCLES OF THE EAST AND WEST BOUND 4-GIRDER SYSTEMS.

NOTE:
THE GIRDERS ARE TO BE LAUNCHED IN ONE SPAN INCREMENTS TO MINIMIZE THE EXPOSURE TIME OF THE FREE CANTILEVER.

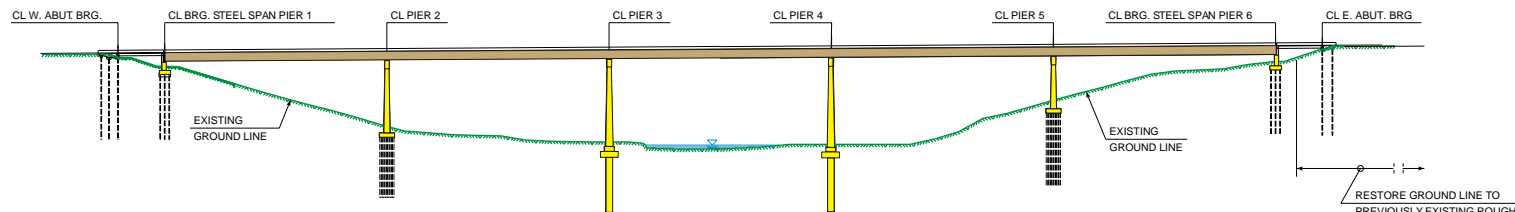
UPON COMPLETION OF EACH ONE SPAN LAUNCH INCREMENT, AND PRIOR TO LAUNCHING THE SUBSEQUENT 4-GIRDER SYSTEM THE GIRDERS OF THE PREVIOUS LAUNCH SHALL BE LOWERED ONTO (BUT NOT FASTENED TO) THE PERMANENT POT BEARINGS TRANSFERRING THE VERTICAL REACTION AT EACH GIRDER LINE TO THE CENTERLINE OF BEARING AT EACH PIER. LOWER THE ROLLERS AS REQUIRED TO "UNLOAD" THE VERTICAL REACTION BUT MAINTAIN ENGAGEMENT OF THE GUIDES AT THE BOTTOM FLANGES OF THE EXTERIOR GIRDERS.

THE SUGGESTED ERECTION SEQUENCE SHOWN REPRESENTS THE SEQUENCE OF CONSTRUCTION ASSUMED IN THE DESIGN OF THE GIRDER SYSTEM. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE SEQUENCE WITHIN THE "DETAILED ERECTION SEQUENCE".

WHETHER THE CONTRACTOR PROPOSES AN ALTERNATIVE SEQUENCE OF CONSTRUCTION OR ONE SIMILAR TO THAT SHOWN ON THIS DRAWING, THE CONTRACTOR SHALL PREPARE A "DETAILED ERECTION SEQUENCE", INCLUDING COMPUTATIONS AND DETAILED DRAWINGS, TO BE SUBMITTED TO THE ENGINEER FOR REVIEW AS PART OF THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ERECTION SEQUENCE SHOWN IN THE AGREED UPON "DETAILED ERECTION SEQUENCE".

NOTE:
THE ERECTION SEQUENCE SHOWN ON THIS SHEET HAS BEEN INCLUDED IN THE SUPERSTRUCTURE CONTRACT. WORK NOTED ON THIS SHEET HAS BEEN PROVIDED FOR INFORMATION ONLY AND IS N.I.C.



STAGE - 4

- 1a) ONCE THE GIRDERS HAVE REACHED THE FINAL IN-PLACE POSITION, TRANSFER LOADS FROM TEMPORARY ROLLER BEARINGS TO THE PERMANENT POT BEARINGS. GROUT IN ANCHOR BOLTS.
- 1b) INCREMENTALLY DIS-ASSEMBLE LAUNCHING NOSES AS GIRDERS ARE LAUNCHED OVER THE FINAL SPAN.
- 2) REMOVE CAUSEWAY (ZONE TYPE F ON DESIGN SHEET /A56/) CONSTRUCTED TO ACCESS PIER 4.
- 3) BACKFILL LAUNCHING PIT AND RESTORE GROUNDLINE TO PREVIOUSLY EXISTING ROUGH GRADES.

- 4) CONSTRUCT THE ABUTMENTS.
- 5) INSTALL FINAL CONNECTIONS TO THE PERMANENT DRAINAGE SYSTEM. SEE DESIGN SHEETS 73 AND 74 (SUPERSTRUCTURE CONTRACT) AND SHEET 89 (SUPERSTRUCTURE CONTRACT).
- 6) INSTALL MACADAM STONE.
- 7) ERECT THE PRECAST JUMPSPAN BEAMS.
- 8) CONSTRUCT THE SLAB, WEARING COURSE AND MEDIAN BARRIERS.

SUBSTRUCTURE CONTRACT				
DESIGN FOR 0 DEGREE SKEW				
DUAL 498.78m x 12.0m CONT. WELDED GIRDER BRIDGE w/ PRECAST JUMPSPANS				
1 - 18.395 m SPAN; 5 - 92.000 m SPANS; 1 - 18.395 m SPAN				
SUGGESTED SUPERSTR. ERECT. SEQ.				
STATION: 338+20.657				
HARDIN COUNTY				
IOWA DEPARTMENT OF TRANSPORTATION - PROJECT DEVELOPMENT DIVISION				
DESIGN SHEET NO.	OF	FILE NO.	29212	DESIGN NO.
199				
STATE	PROJECT	FISCAL	SHEET	TOTAL
IOWA	7	YEAR	NO.	SHEETS

DESIGNED BY DMR CHECKED BY DMR
 DETAILED BY MBG CADD FILE

HARDIN COUNTY

PROJECT NUMBER